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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO	
09/826,260	04/04/2001	David Akopian	460-010242-US(PAR)	3382	
7590 08/02/2004			EXAM	INER	
Clarence A. Green			HA, DAC V		
Perman & Gree 425 Post Road	n, LLP	ART UNIT	PAPER NUMBER		
	06430		2634		

DATE MAILED: 08/02/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

		Applicati	ion No	Applicant(s)					
		Applicati		Applicant(s)					
		09/826,2	:60	AKOPIAN ET AL.					
	Office Action Summary	Examine	r	Art Unit					
		Dac V. H	а	2634					
The MAILING DATE of this communication appears on the cover sheet with the correspondence address Period for Reply									
A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 2 MONTH(S) FROM									
THE I - Exter after - If the - If NO - Failu Any	MAILING DATE OF THIS COMMUNICATIOnsions of time may be available under the provisions of 37 CFF SIX (6) MONTHS from the mailing date of this communication. period for reply specified above is less than thirty (30) days, a period for reply is specified above, the maximum statutory pere to reply within the set or extended period for reply will, by streply received by the Office later than three months after the mad patent term adjustment. See 37 CFR 1.704(b).	N. R 1.136(a). In no en reply within the sta riod will apply and v atute, cause the ap	vent, however, may a rep ututory minimum of thirty (will expire SIX (6) MONTF plication to become ABA	oly be timely filed (30) days will be considered timely. HS from the mailing date of this comm NDONED (35 U.S.C. § 133).	nunication.				
Status									
1)[🛛	Responsive to communication(s) filed on O	4 April 2001.							
	This action is FINAL . 2b)⊠ This action is non-final.								
3)⊠	3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is								
	closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213.								
Dispositi	on of Claims								
4)⊠	4)⊠ Claim(s) is/are pending in the application.								
	4a) Of the above claim(s) is/are withdrawn from consideration.								
5)[5) Claim(s) is/are allowed.								
6)□	5) Claim(s) is/are rejected.								
7)🖾	7)⊠ Claim(s) 1-23 is/are objected to.								
8)□	8) Claim(s) are subject to restriction and/or election requirement.								
Applicati	on Papers								
9)[The specification is objected to by the Exam	niner.							
10) The drawing(s) filed on is/are: a) accepted or b) objected to by the Examiner.									
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).									
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).									
11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.									
Priority u	inder 35 U.S.C. § 119								
	Acknowledgment is made of a claim for fore	eign priority un	der 35 U.S.C. § 1	19(a)-(d) or (f).					
a)[☐ All b)☐ Some * c)☐ None of:								
Certified copies of the priority documents have been received.									
2. Certified copies of the priority documents have been received in Application No									
	3. Copies of the certified copies of the p	•		eceived in this National Sta	age				
application from the International Bureau (PCT Rule 17.2(a)).									
* See the attached detailed Office action for a list of the certified copies not received.									
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Attachmen	t(s)		_						
	e of References Cited (PTO-892)			mmary (PTO-413) Mail Date					
	e of Draftsperson's Patent Drawing Review (PTO-948) nation Disclosure Statement(s) (PTO-1449 or PTO/SB			Mail Date ormal Patent Application (PTO-15	52)				
	r No(s)/Mail Date <u>1/2/04, 5/24/01</u> .	,	6) Other:						
S. Patent and To	ademark Office								

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DETAILED ACTION

1. This application is in condition for allowance except for the following formal matters:

Claims 1-23 are objected to because of the following informalities:

Claim 1:

Line 15, "the correct frequency shift" should be changed to "a correct frequency shift".

Claim 2:

Line 3, "phases" should be changed to "phase".

Line 4, "the frequency" should be changed to "a frequency".

Claim 3:

Lines 3-4, "the transformed, reversed replica code" should be changed to "a transformed, reversed replica code".

Claim 4:

Line 6, "said second direction" should be changed to "said second dimension".

Line 7-8, "said first direction" should be changed to "said first dimension".

Claim 5:

Line 6, "said second direction" should be changed to "said second dimension".

Line 9, "said first direction" should be changed to "said first dimension".

Claim 6:

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Line 2, "the reversed replica code" should be changed to "a reversed replica code".

Line 3, "the resulting matrix" should be changed to "a resulting matrix".

Lines 4-5, "the resulting matrix" should be changed to "a resulting matrix".

Claim 8:

Line 23, "the correct frequency shift" should be changed to "a correct frequency shift".

Claim 9:

Line 5, "phases" should be changed to "phase".

Line 6, "the frequency" should be changed to "a frequency".

Claim 11:

Line 7, "said second direction" should be changed to "said second dimension".

Line 9, "said first direction" should be changed to "said first dimension".

Claim 12:

Line 10, "said first direction" should be changed to "said first dimension".

Claim 15:

Line 23, "the correct frequency" should be changed to "a correct frequency".

Claim 17:

Line 4, "first estimation phases" should be changed to "first estimation phase".

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Claim 18:

Line 7, "said second direction" should be changed to "said second dimension".

Line 9, "said first direction" should be changed to "said first dimension".

Claim 19:

Line 14, "said first direction" should be changed to "said first dimension".

Claim 20:

Line 5, "the resulting matrix" should be changed to "a resulting matrix".

Lines 7-8, "the resulting matrix" should be changed to "a resulting matrix".

Claim 22:

Line 23, "the correct frequency shift" should be changed to "a correct frequency shift".

Appropriate correction is required.

Prosecution on the merits is closed in accordance with the practice under Exparte Quayle, 1935 C.D. 11, 453 O.G. 213.

A shortened statutory period for reply to this action is set to expire **TWO**MONTHS from the mailing date of this letter.

Allowable Subject Matter

Claims 1-23 are allowed.

Conclusion

3. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

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Krasner (US 6,289,041) discloses Fast Acquisition, High Sensitivity GPS Receiver.

Harrision et al. (US 6,151,353) disclose Pre-Acquisition Frequency Offset Removal In A GPS Receiver.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Dac V. Ha whose telephone number is 703-306-5536. The examiner can normally be reached on 5/4.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Stephen Chin can be reached on 703-305-4714. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

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